

**FIG. 1**

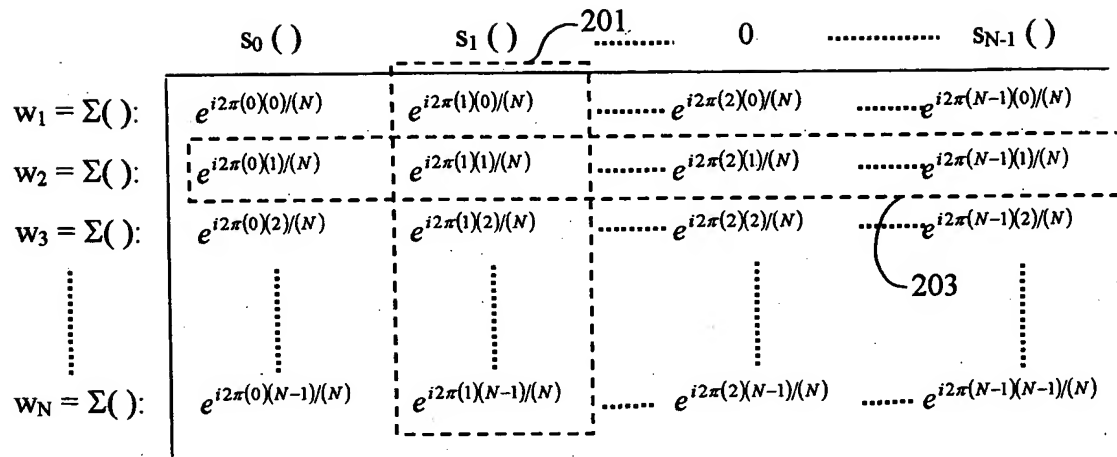


FIG. 2

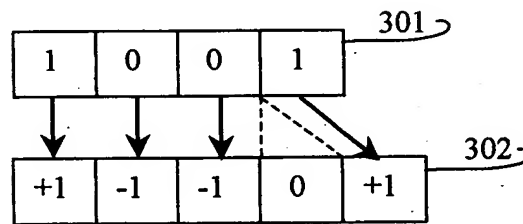


FIG. 3

	$s_0()$	$s_1()$	.....	$p_m$	.....	$s_{N-1}()$
$w_1 = \Sigma():$	$e^{i2\pi(0)(0)/(N)}$	$e^{i2\pi(1)(0)/(N)}$	.....	$e^{i2\pi(2)(0)/(N)}$	.....	$e^{i2\pi(N-1)(0)/(N)}$
$w_2 = \Sigma():$	$e^{i2\pi(0)(1)/(N)}$	$e^{i2\pi(1)(1)/(N)}$	.....	$e^{i2\pi(2)(1)/(N)}$	.....	$e^{i2\pi(N-1)(1)/(N)}$
$w_3 = \Sigma():$	$e^{i2\pi(0)(2)/(N)}$	$e^{i2\pi(1)(2)/(N)}$	.....	$e^{i2\pi(2)(2)/(N)}$	.....	$e^{i2\pi(N-1)(2)/(N)}$
.....	.....	.....	.....	.....	.....	.....
$w_N = \Sigma():$	$e^{i2\pi(0)(N-1)/(N)}$	$e^{i2\pi(1)(N-1)/(N)}$	.....	$e^{i2\pi(2)(N-1)/(N)}$	.....	$e^{i2\pi(N-1)(N-1)/(N)}$

FIG. 4

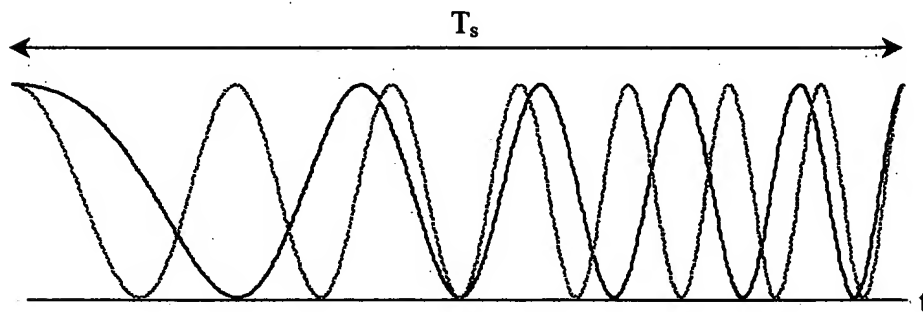
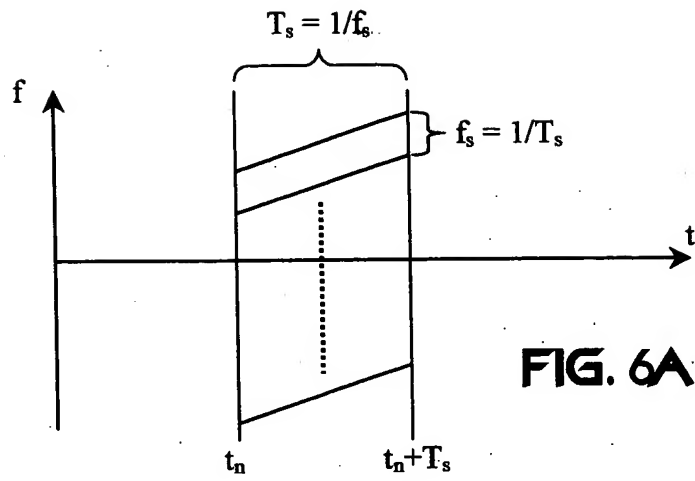
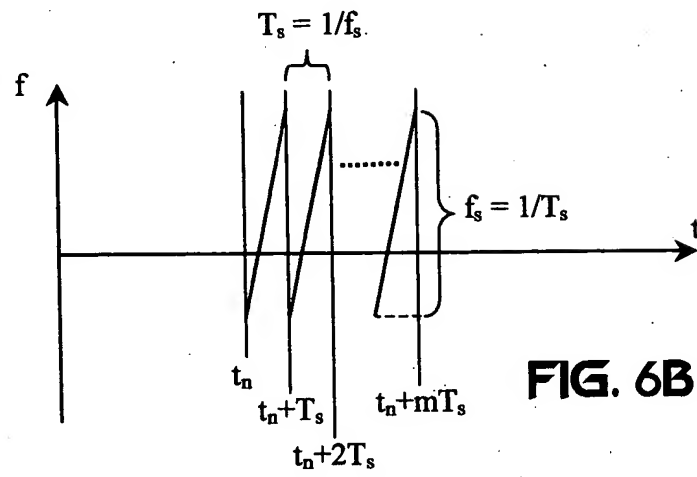


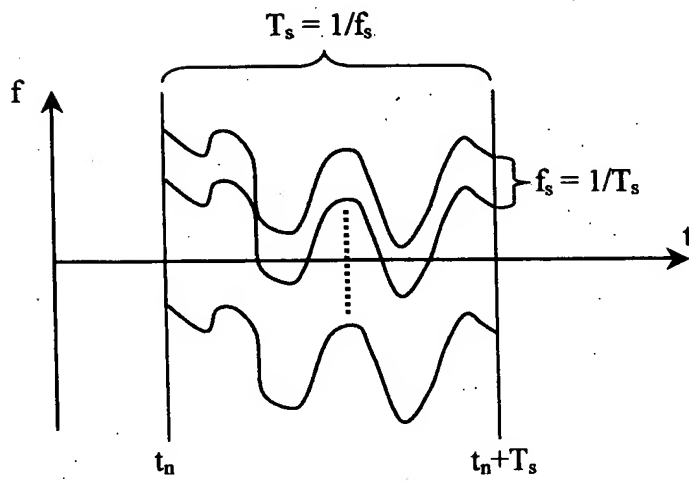
FIG. 5



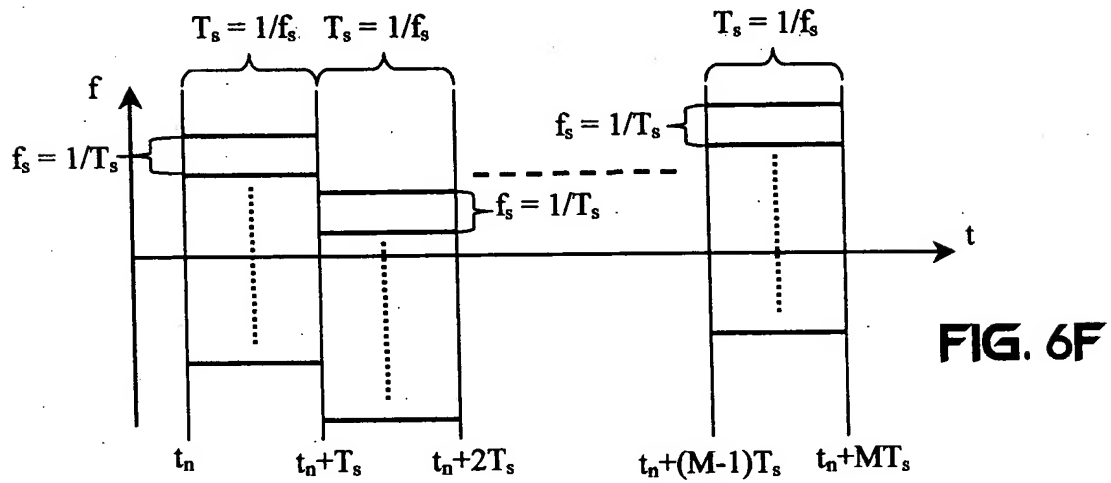
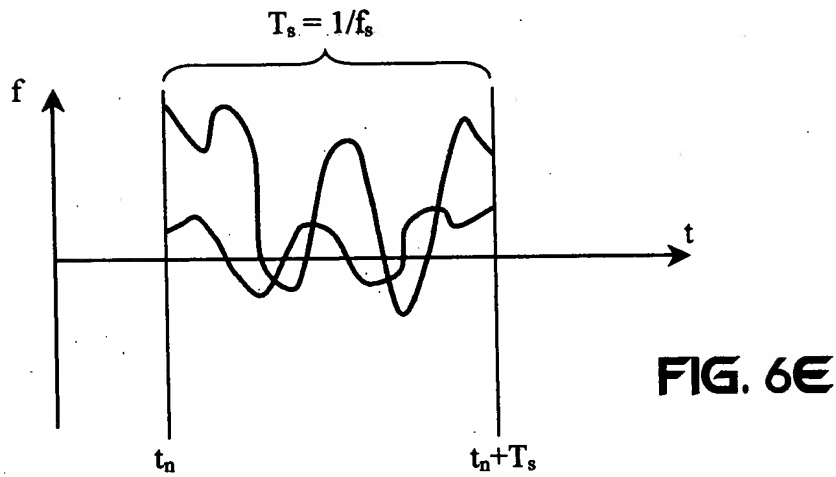
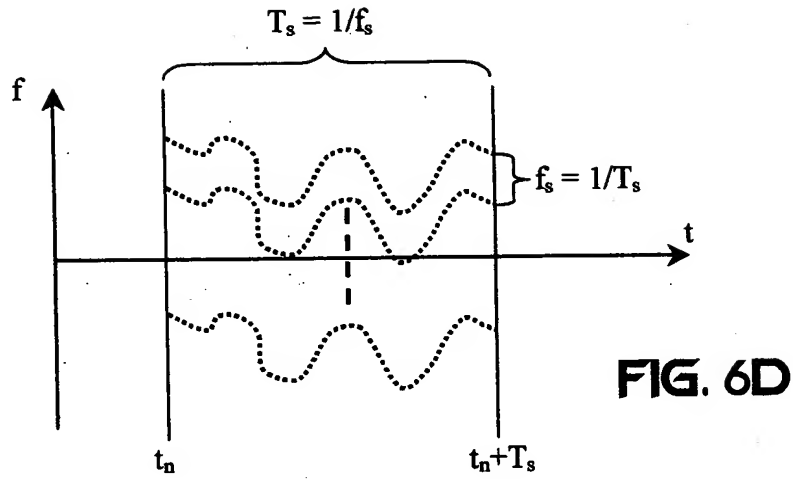
**FIG. 6A**



**FIG. 6B**



**FIG. 6C**



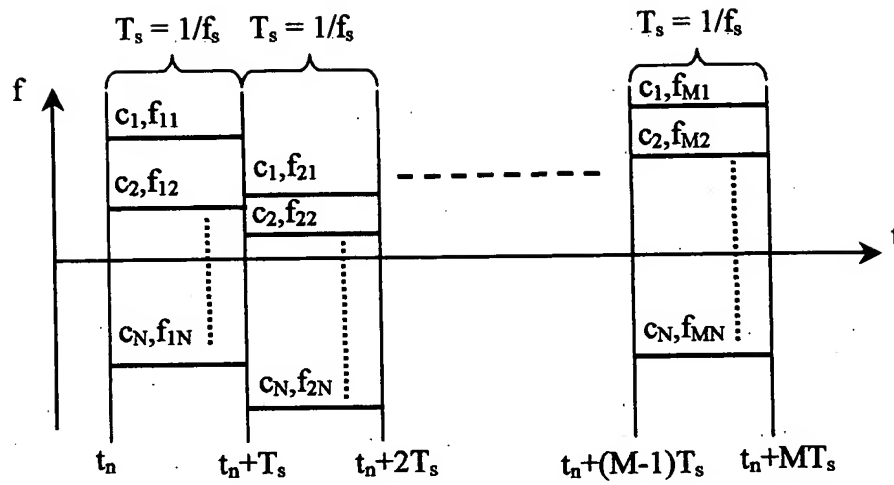


FIG. 6G

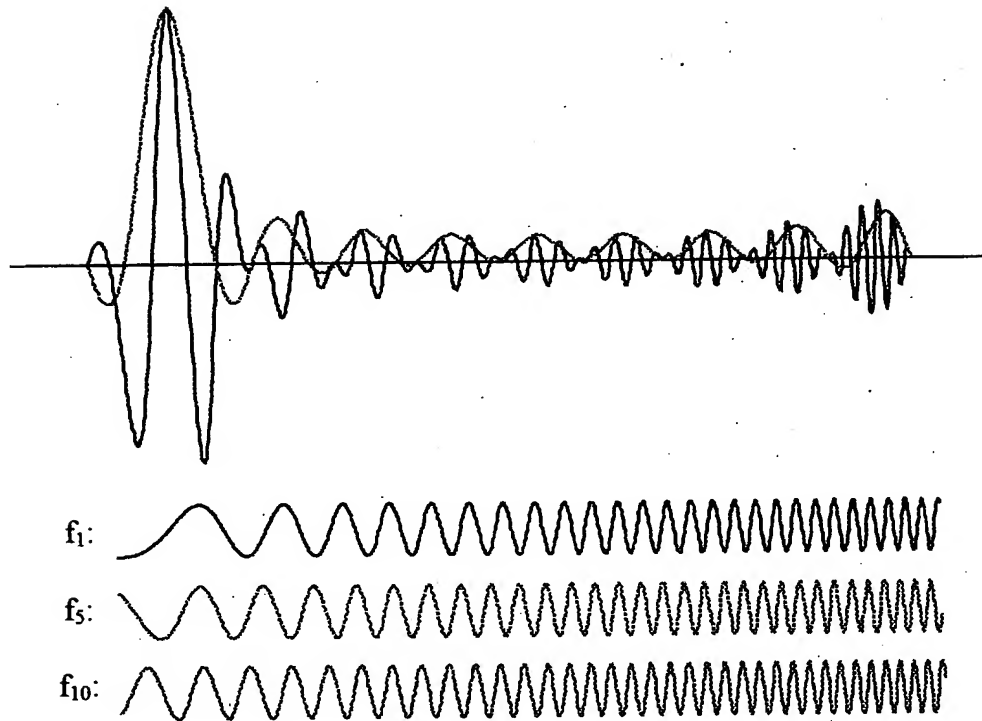
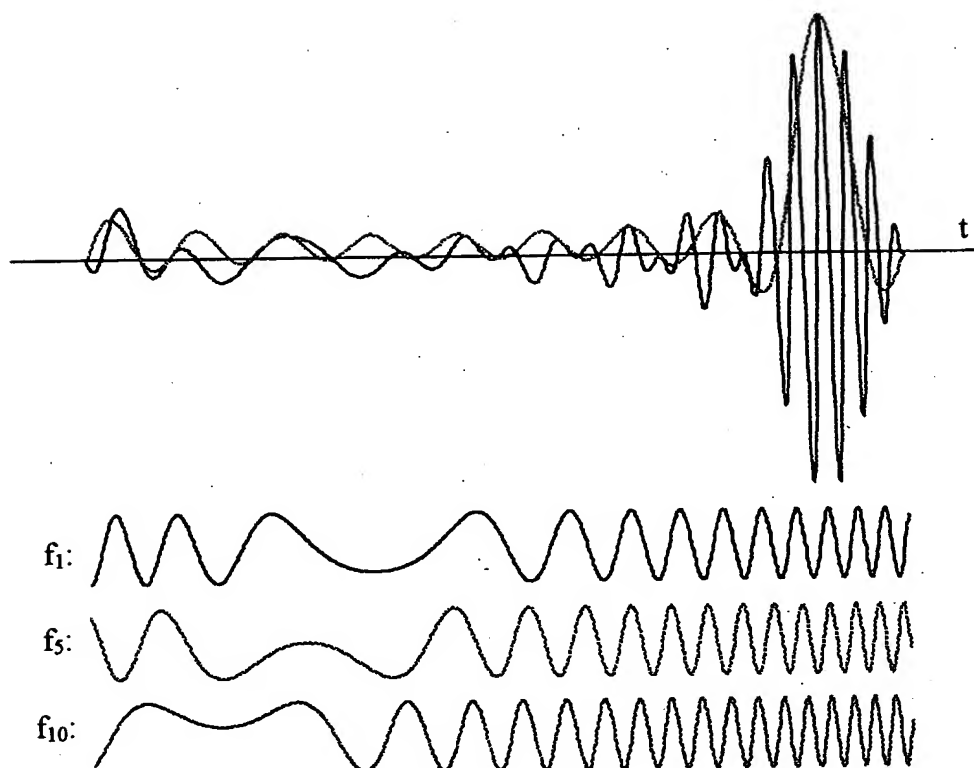
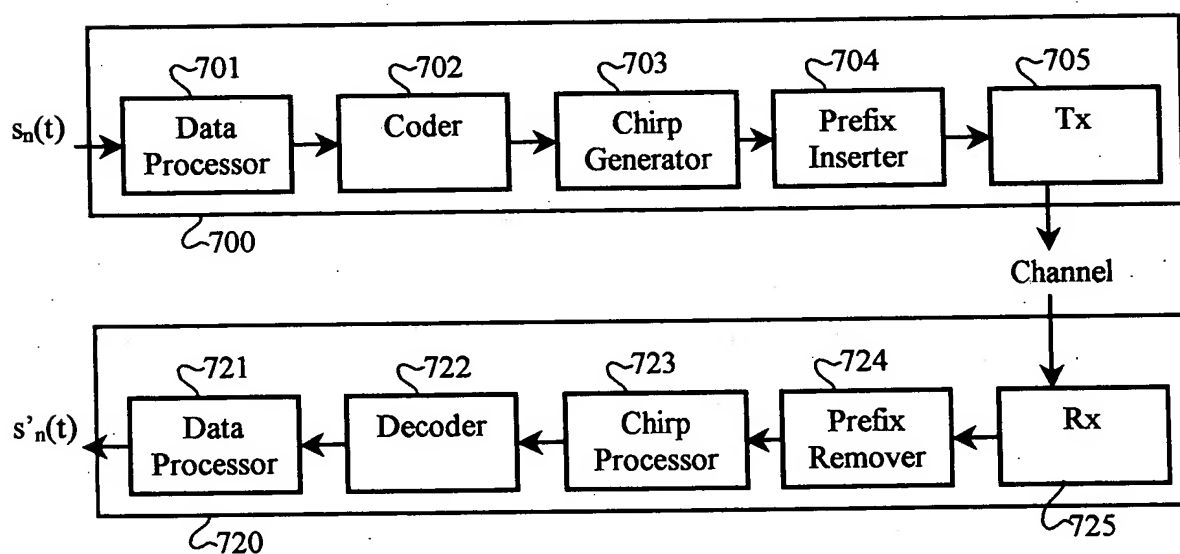


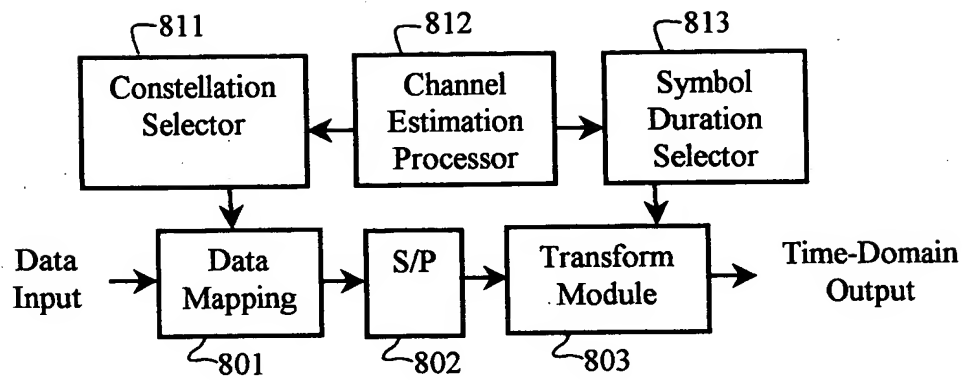
FIG. 7A



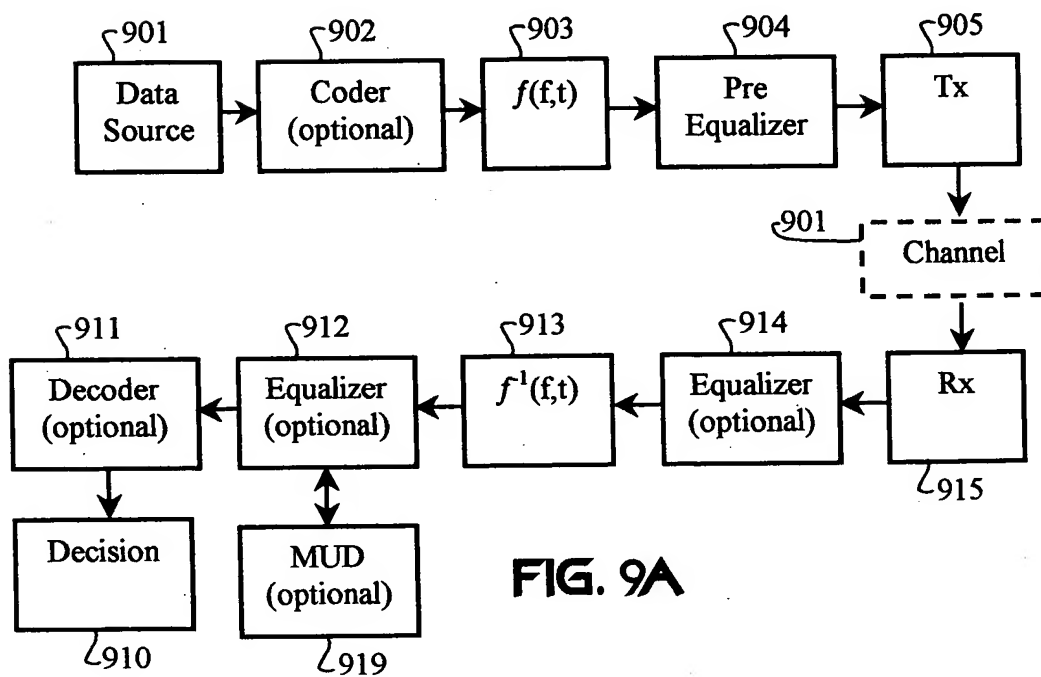
**FIG. 7B**



**FIG. 7C**

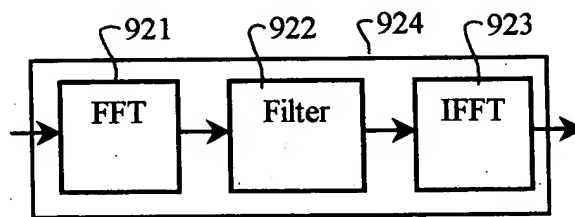


**FIG. 8**

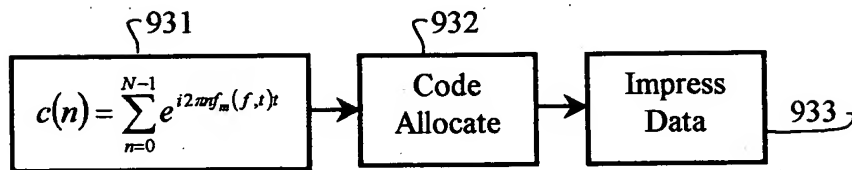


**FIG. 9A**

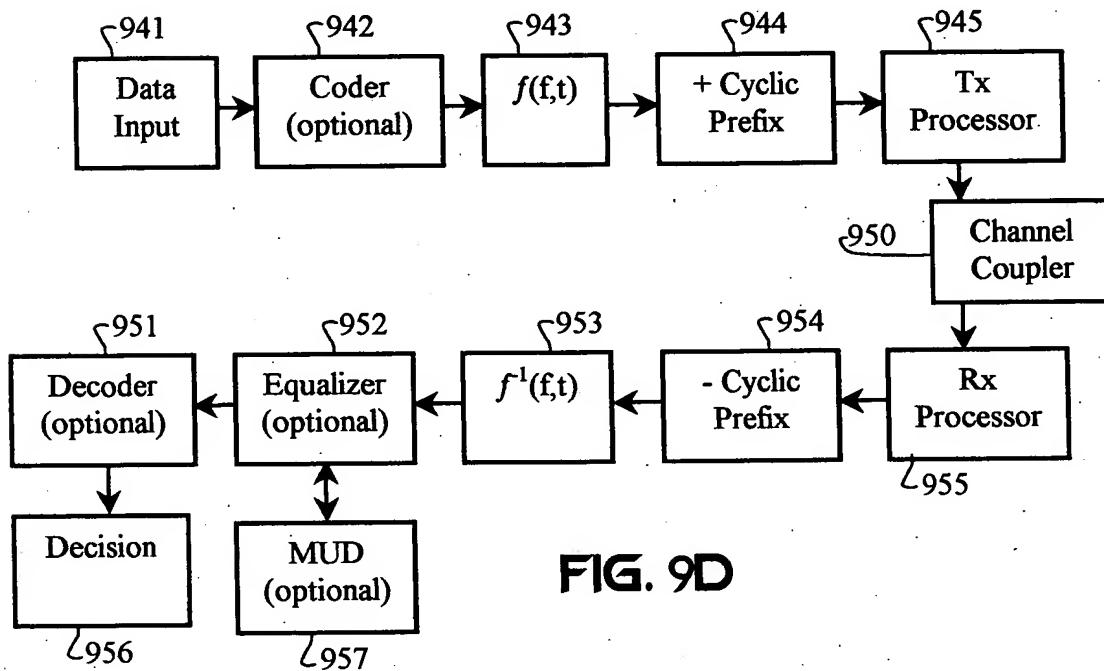




**FIG. 9B**



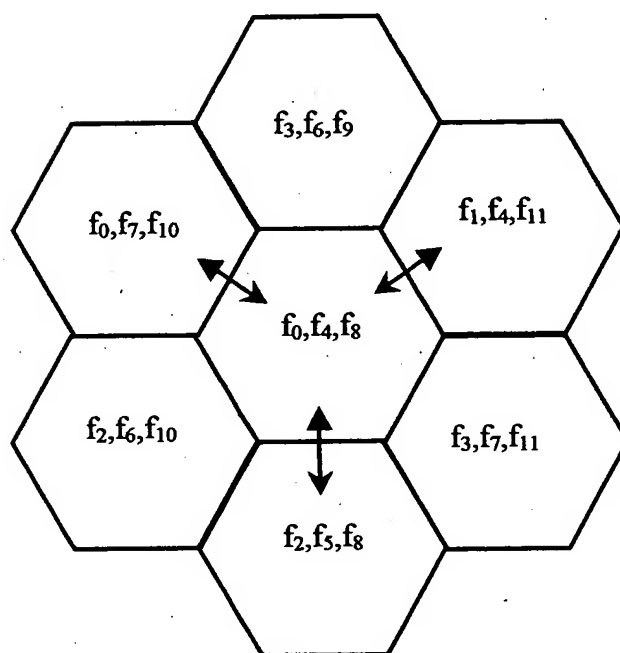
**FIG. 9C**



**FIG. 9D**

$f_0$ :	1	2	3	4	1	2	3	4
$f_1$ :	2	3	4	1	2	3	4	1
$f_2$ :	3	4	1	2	3	4	1	2
$f_3$ :	4	1	2	3	4	1	2	3
$f_4$ :	1	2	3	4	2	3	4	1
$f_5$ :	2	3	4	1	3	4	1	2
$f_6$ :	3	4	1	2	4	1	2	3
$f_7$ :	4	1	2	3	1	2	3	4
$f_8$ :	1	2	3	4	3	4	1	2
$f_9$ :	2	3	4	1	4	1	2	3
$f_{10}$ :	3	4	1	2	1	2	3	4
$f_{11}$ :	4	1	2	3	2	3	4	1

**FIG. 10A**



**FIG. 10B**

	$s_0()$	$s_1()$	.....	0	.....	$s_{k-1}()$
$w_1 = \Sigma():$	$1 + e^{i2\pi(0)(0)/(N)}$	$e^{i2\pi(1)(0)/(N)}$	.....	$e^{i2\pi(2)(0)/(N)}$	.....	$e^{i2\pi(N-1)(0)/(N)}$
$w_2 = \Sigma():$	$e^{i2\pi(0)(1)/(N)}$	$1 + e^{i2\pi(1)(1)/(N)}$	.....	$e^{i2\pi(2)(1)/(N)}$	.....	$e^{i2\pi(N-1)(1)/(N)}$
$w_3 = \Sigma():$	$e^{i2\pi(0)(2)/(N)}$	$e^{i2\pi(1)(2)/(N)}$	.....	$e^{i2\pi(2)(2)/(N)}$	.....	$e^{i2\pi(N-1)(2)/(N)}$
.....	.....	.....	.....	.....	.....	.....
$w_N = \Sigma():$	$e^{i2\pi(0)(N-1)/(N)}$	$e^{i2\pi(1)(N-1)/(N)}$	.....	$e^{i2\pi(2)(N-1)/(N)}$	.....	$1 + e^{i2\pi(N-1)(N-1)/(N)}$

FIG. 11

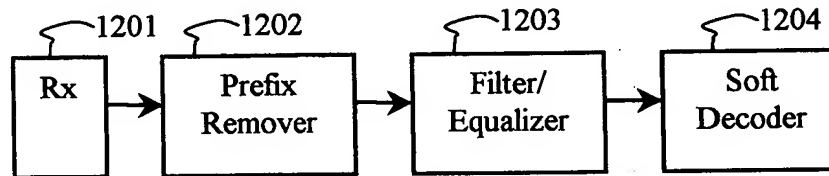


FIG. 12A

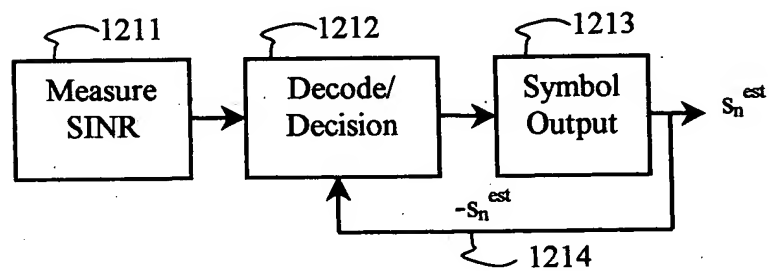


FIG. 12B